

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A computer-implemented method of adapting a transaction-based mainframe application to process transactions over a network, said transaction-based mainframe application comprising source code describing a transaction and information related to the transaction, hereinafter related information, said method comprising:

scanning the source code of the transaction-based mainframe application and identifying the transaction and the related information, wherein the transaction-based mainframe application originally does not process transactions over a World Wide Web (Web);

storing in a database the related information identified in the scan of the source code, hereinafter identified information;

extracting from the database parameter definitions describing a communication of information by the transaction, hereinafter extracted information;

identifying a parameter usage type for each parameter, said parameter usage type selectable from the parameter usage type set comprising input, output, input/output, and unreferenced, hereinafter identified information;

displaying the transaction and a subset of the related information and the extracted information;

receiving user input selecting the transaction; and

in response to receiving the user input, generating a communication area file that includes a definition and a declaration of the data to be passed to and from the transaction-based mainframe application and a documentation file that provides documentation that describes the communication area file using the identified information and the extracted information; and

with [[the]] a connector building tool,

parsing the communication area file; and

building a connector using the identified information and the extracted information, wherein the transaction-based mainframe application is enabled to process transactions over the Web.

2. (Previously Presented) The method of claim 1 wherein the communication area file contains information that is parsed by the connector building tool.

3. (Cancelled).

4. (Previously Presented) The method of claim 2 wherein the documentation file comprises field description information and connection information.

5. (Cancelled)

6. (Currently Amended) The method of claim 1 further comprising using the identified information and extracted information to build an enterprise [[Java]] bean connector.

7. (Previously Presented) The method of claim 1 wherein the database is queried to find program parts comprising the transaction-based mainframe application and identify relationships between the program parts.

8. (Currently Amended) The method of claim 1 wherein the related information is a member of [[the]] a set comprising relationships, call hierarchies, transactions, communication areas, parameters, the flow of data elements, and resources employed.

9-24. (Cancelled)

25. (New) An article of manufacture for use in a computer system for adapting a transaction-based mainframe application to process transactions over a network, said transaction-based mainframe application comprising source code describing a transaction and information related to the transaction, hereinafter related information, said article of manufacture comprising a computer-readable storage medium having a computer program embodied in said computer-readable storage medium which causes the computer system to execute:

scanning the source code of the transaction-based mainframe application and identifying the transaction and the related information, wherein the transaction-based mainframe application originally does not process transactions over a World Wide Web (Web);

storing in a database the related information identified in the scan of the source code, hereinafter identified information;

extracting from the database parameter definitions describing a communication of information by the transaction, hereinafter extracted information;

identifying a parameter usage type for each parameter, said parameter usage type selectable from the parameter usage type set comprising input, output, input/output, and unreferenced, hereinafter identified information;

displaying the transaction and a subset of the related information and the extracted information;

receiving user input selecting the transaction; and

in response to receiving the user input, generating a communication area file that includes a definition and a declaration of the data to be passed to and from the transaction-based mainframe application and a documentation file that provides documentation that describes the communication area file using the identified information and the extracted information; and

with a connector building tool,

parsing the communication area file; and

building a connector using the identified information and the extracted information, wherein the transaction-based mainframe application is enabled to process transactions over the Web.

26. (New) The article of manufacture of claim 25 wherein the communication area file contains information that is parsed by the connector building tool.

27. (New) The article of manufacture of claim 26 wherein the documentation file comprises field description information and connection information.

28. (New) The article of manufacture of claim 25 wherein the computer program embodied in said computer-readable storage medium causes the computer system to execute:

using the identified information and extracted information to build an enterprise bean connector.

29. (New) The article of manufacture of claim 25 wherein the database is queried to find program parts comprising the transaction-based mainframe application and identify relationships between the program parts.

30. (New) The article of manufacture of claim 25 wherein the related information is a member of a set comprising relationships, call hierarchies, transactions, communication areas, parameters, the flow of data elements, and resources employed.

31. (New) A computer system for adapting a transaction-based mainframe application to process transactions over a network, said transaction-based mainframe application comprising source code describing a transaction and information related to the transaction, hereinafter related information, said computer system comprising :

- a scanner for scanning the source code of the transaction-based mainframe application and identifying the transaction and the related information, wherein the transaction-based mainframe application originally does not process transactions over a World Wide Web (Web);

- storage for storing in a database the related information identified in the scan of the source code, hereinafter identified information;

- a query for extracting from the database parameter definitions describing a communication of information by the transaction, hereinafter extracted information;

- an identifying computer program for identifying a parameter usage type for each parameter, said parameter usage type selectable from the parameter usage type set comprising input, output, input/output, and unreferenced, hereinafter identified information;

- a display for displaying the transaction and a subset of the related information and the extracted information;

- an interface for receiving user input selecting the transaction;

- a packaging computer program for, in response to receiving the user input, generating a communication area file that includes a definition and a declaration of the data to be passed to and from the transaction-based mainframe application and a documentation file that provides

documentation that describes the communication area file using the identified information and the extracted information; and

a connector building tool for:

parsing the communication area file; and

building a connector using the identified information and the extracted information, wherein the transaction-based mainframe application is enabled to process transactions over the Web.

32. (New) The computer system of claim 31 wherein the communication area file contains information that is parsed by the connector building tool.

33. (New) The computer system of claim 32 wherein the documentation file comprises field description information and connection information.

34. (New) The computer system of claim 31 further comprising:
the connector building tool for using the identified information and extracted information to build an enterprise bean connector.

35. (New) The computer system of claim 31 wherein the database is queried to find program parts comprising the transaction-based mainframe application and identify relationships between the program parts.

36. (New) The computer system of claim 31 wherein the related information is a member of a set comprising relationships, call hierarchies, transactions, communication areas, parameters, the flow of data elements, and resources employed.